Math 212, Section 5 – Multivariable calculus

Syllabus

Course description. We will go in a slow but confident way through the following topics: gradient, divergence, curl, Lagrange multiplier, multiple integrals as well as line integrals, conservative vector fields, Green's theorem, Stokes's theorem and Gauss's theorem.

Instructor. Nikita Kozin, nk12@rice.edu

Lectures. MWF 11 am in GRB W211. You are expected to attend every class and arrive on time. It is your responsibility to be informed of any announcements made in class.

Office Hours. Friday 3-4:30 pm in HBH 42 (basement) or by appointment.

TA Sessions. Monday, Thursday 7-9 pm in HBH 427, Tuesday 7-9 pm in HBH 453.

Textbook. "Vector Calculus" by J. Marsden and A. Tromba, 5th edition.

Homework. Homework will be assigned on Owl Space and collected at the beginning of class. It will typically be due on Fridays. No late homework will be accepted. The two lowest homework grades will be dropped. Homework assignments are not pledged. You are encouraged to discuss these problems amongst each other, but the final write-up must be your own.

Exams. There will be two midterm exams and one final exam. All exams are closed-book, closed notes and are subject to the Rice University Honor Code. You will not be allowed to use a calculator on the exams. Tentative schedule is the following

February 13, 7-9 pm	–	Midterm 1
March 20, 7-9 pm	–	Midterm 2

It is the policy of the Mathematics Department that no final may be given early to accommodate student travel plans. It is your responsibility to check the final exam schedule on the registrar's website to find out when and where your final exam will be.

Grades. Final grades will be computed according to the following weights:

20%	–	Homework
25%	–	Midterm 1
25%	–	Midterm 2
30%	–	Final

Disability Support. Talk to me if you need special accommodations.